Territory-wide System Assessment (S.3) Mathematics Past Papers Analysis **Dimensions Distribution** 

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## Scope of the Assessment

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According to the documents Syllabuses for Secondary Schools – Mathematics (Secondary 1-5), 1999 and Mathematics Curriculum: Basic Competency at the end of Key Stage 3 (Trial Version)

- Focus on basic and important areas of the S.1 to 3 curriculum
- Test on the concepts, knowledge, skills and applications in these areas
- Three dimensions are covered: Number & Algebra, Measures, Shape & Spaces and Data Handling

Based on the dimensions distributions of the past papers, 'Number & Algebra' and 'Measures, Shape & Spaces' respectively occupied around 40 – 50% each year. Besides, 'Data Handling' only occupied around 10 - 15 % each year. Teachers are suggested to enhance students' practices on the two dimensions 'Number & Algebra' and 'Measures, Shape & Spaces'.

## **Dimensions Distributions:**

[Year 2013]

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Dimensions Distributions:								
Year 2013]								
Sub-paper Dimension	9ME1	9ME2	9ME3	9ME4				
Number and Algebra	35 marks	34 marks	32 marks	32 marks				
	(51.5%)	(50.0%)	(47.1%)	(47.1%)				
Measures, Shape and	26 marks	25 marks	29 marks	27 marks				
Space	(38.2%)	(36.8%)	(42.6%)	(39.7%)				
Data Handling	7 marks	8 marks	6 marks	8 marks				
	(10.3%)	(11.8%)	(8.8%)	(11.8%)				
Total	68 marks	67 marks	67 marks	67 marks				
	(100.0%)	(100.0%)	(100.0%)	(100.0%)				

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 $\leftarrow$  around 45 – 55%

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← around 35-45%

 $\leftarrow$  around 5 – 15%

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## [Year 2012]

	Sub-paper Dimension	9ME1	9ME2	<b>9ME3</b>	<b>9ME4</b>	
	Number and Algebra	33 marks (47.1 %)	32 marks (45.7%)	34 marks (47.2%)	31 marks (45.1%)	← around 45 – 50%
	Measures, Shape and Space	30 marks (42.9%)	30 marks (42.9%)	28 marks (38.9%)	29 marks (40.8%)	← around 35– 45%
CLP	Data Handling	7 marks (10.0%)	8 marks (11.4%)	10 marks (13.9%)	10 marks (14.1%)	$\leftarrow$ around 10 – 15%
	Total	70 marks (100%)	70 marks (100%)	72 marks (100%)	71 marks (100%)	B since 1983
	[Year 2011]		-c2(	NOC		Ξʰ
ASSRI	Sub-paper		CLASON			C

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CLASSRO	Sub-paper nension	9ME1	CLA			CLASSROOM
			9ME2	9ME3	9ME4	
N	Number and Algebra	30 marks (42.3 %)	35 marks (49.3%)	36 marks (50.7%)	36 marks (51.4%)	$\leftarrow$ around 40 – 55%
М	Measures, Shape and Space	30 marks (42.3%)	27 marks (38.0%)	28 marks (39.4%)	26 marks (37.1%)	$\leftarrow$ around 35–45%
	Data Handling	11 marks (15.5%)	9 marks (12.7%)	7 marks (9.9%)	8 marks (11.4%)	← around 5 – 20%
CLASSROOM	Total	71 marks (100%)	71 marks (100%)	71marks (100%)	70 marks (100%)	CLASSROU

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since 1983



[Year 2010]

	Sub-paper Dimension	9ME1	9ME2	9ME3	9ME4	· 1983
	Number and Algebra	31 marks (44.3 %)	35 marks (49.3%)	32 marks (45.7%)	31 marks (44.9%)	$\leftarrow$ around 40 – 50%
	Measures, Shape and Space	31 marks (44.3%)	28 marks (39.4%)	27 marks (38.6%)	28 marks (40.6%)	$\leftarrow$ around 35–45%
P	Data Handling	8 marks (11.4%)	8 marks (11.3%)	11 marks (15.7%)	10 marks (14.5%)	$\leftarrow$ around 10 – 15%
	Total	70 marks (100%)	71 marks (100%)	70 marks (100%)	69 marks (100%)	B. since 1983
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5	Sub-paper		CLADO			

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	[Year 2009]	SSROOM				CLASSROOM
CLASSR	Sub-paper Dimension	9ME1	9ME2	9ME3	9ME4	0
	Number and Algebra	26 marks (37.7 %)	30 marks (43.5%)	33 marks (48.5%)	32 marks (47.1%)	$\leftarrow$ around 35 – 50%
	Measures, Shape and Space	34 marks (49.3%)	32 marks (46.4%)	29 marks (42.6%)	31 marks (45.6%)	$\leftarrow$ around 40 – 50%
100	Data Handling	9 marks (13.0%)	7 marks (10.1%)	6 marks (8.8%)	5 marks (7.4%)	← around 5 – 15%
CLASSROOM	Total	69 marks (100%)	69 marks (100%)	68 marks (100%)	68 marks (100%)	CLASS
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[Year 2008]

	Sub-paper Dimension	9ME1	9ME2	9ME3	9ME4	課業 · · ································
	Number and Algebra	33 marks (47.1%)	33 marks (47.1%)	31 marks (44.3%)	30 marks (42.3%)	$\leftarrow$ around 40 – 50%
	Measures, Shape and Space	29 marks (41.4%)	28 marks (40%)	31 marks (44.3%)	31 marks (43.7%)	$\leftarrow$ around 40 – 45%
P	Data Handling	8 marks (11.4%)	9 marks (12.9%)	8 marks (11.4%)	10 marks (14.1%)	$\leftarrow$ around 10 – 15%
	Total	70 marks (100%)	70 marks (100%)	70 marks (100%)	71 marks (100%)	B. since 1983
E	Surger 2007]	8 `	SR	DOW 1	J.	35 .
	Sub-paper		CLASS			

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Source 1983

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	[Year 2007]		ASSROOM L			CLASSROOM
CLASSR	Sub-paper Dimension	<b>9ME1</b>	9ME2	9ME3	9ME4	
	Number and Algebra	27 marks (41.5%)	27 marks (41.5%)	27 marks (41.5%)	25 marks (38.5%)	$\leftarrow$ around 35 – 45%
	Measures, Shape and Space	27 marks (41.5%)	26 marks (40%)	28 marks (43.1%)	29 marks (44.6%)	$\leftarrow$ around 40 – 45%
	Data Handling	11 marks (16.9%)	12 marks (18.5%)	10 marks (15.4%)	11 marks (16.9%)	← around 15 – 20%
CLASSROOM	Total	65 marks (100%)	65 marks (100%)	65 marks (100%)	65 marks (100%)	CLASSROOM
CLA3.		(100%)	(100%)	(100%)	(100%)	

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since 1983



## [Year 2006]

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1983	Sub-paper Dimension	9ME1	9ME2	<b>9ME3</b>	<b>9ME4</b>	THE SINCE 1983	
	Number and Algebra	26 marks (37.7%)	27 marks (37.5%)	29 marks (41.4%)	24 marks (33.8%)	$\leftarrow$ around 35 – 45%	
	Measures, Shape and Space	33 marks (47.8%)	33 marks (45.8%)	30 marks (42.9%)	35 marks (49.3%)	← around 40 – 50%	CLASSR
CF	Data Handling	10 marks (14.5%)	12 marks (16.7%)	11 marks (15.7%)	12 marks (16.9%)	$\leftarrow$ around 10 – 20%	
	Total	69 marks (100%)	72 marks (100%)	70 marks (100%)	71 marks (100%)	Since 1983	
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